Hart® Programmable - Type HC

FEATURES:

- Utilizes Hart® protocol for configuration and monitoring; communi cates with Hart® communicator or modem
- Input-Output isolation – eliminates measuring errors due to ground loops
- Long term stability – 0.1% / year
- Accepts RTD and T/C inputs
- Sensor error correction – compensates for known sensor errors
- Customized 50 point linearization – any sensor can be matched
- Selectable sensor break function
- Full access to all features while in operation
- FM & Cenelec approvals
- NAMUR compliant
- 5 Year Warranty

SPECIFICATIONS:

Input RTD* and Resistance	3,4-wire connection
Pt100 (a=0.00385)	-200 to +1000°C / -328 to +1832°F
Pt1000 (a=0.00385)	-200 to +200°C / -328 to +392°F
Input Thermocouples	E, J, K, N, R, S, T
Input Voltage	-10 to +500mV
Sensor failure	User definable output
Adjustments – Zero	Any value within range limits
Pt100, Pt1000	10°C / 18°F
T/C, mV	2mV
Output	4-20 / 20-4 mA
Operating temperature	-40 to +85°C / -40 to +185°F
Galvanic isolation	1500 VAC, 1 min
Power supply	12 to 30 VDC
Intrinsic safety	Cenelec: EEx ia IIC T4-T6
	ATEX: II 1 G
	FM: Class I-III, Div. 1, Gr.A-D, G
Accuracy	± 0.1% of temperature span

**Consult factory for other RTDs*

Note: Can be configured using Hart® (with updated device description) or easy to use Window configuration software.

To order: Indicate the sensor input and options required.

Type	Sensor Input	Options
HC		
	E, J, K, N, R, S, T, Pt 100 Pt 1000	TI - Temperature Indicator (use with transmitter)

WIRING DIAGRAMS: